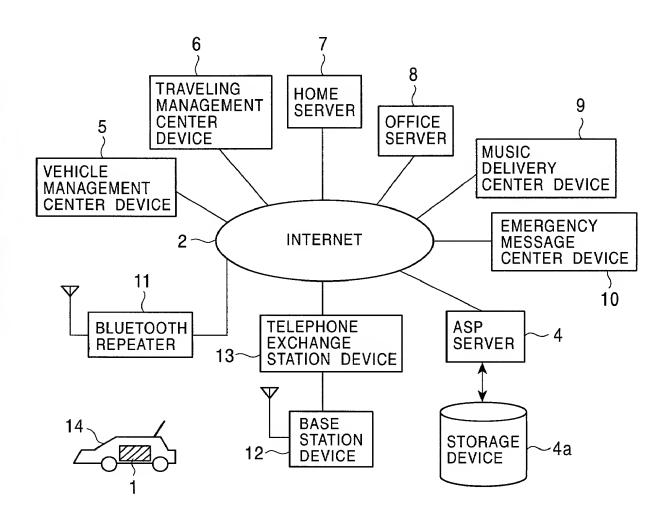
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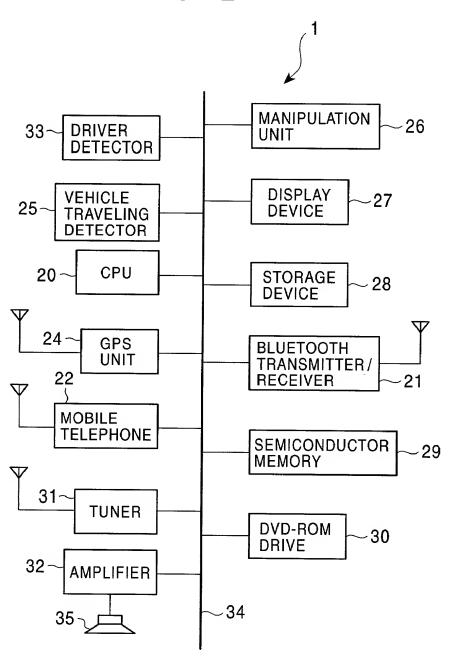
ius is

FIG. 1



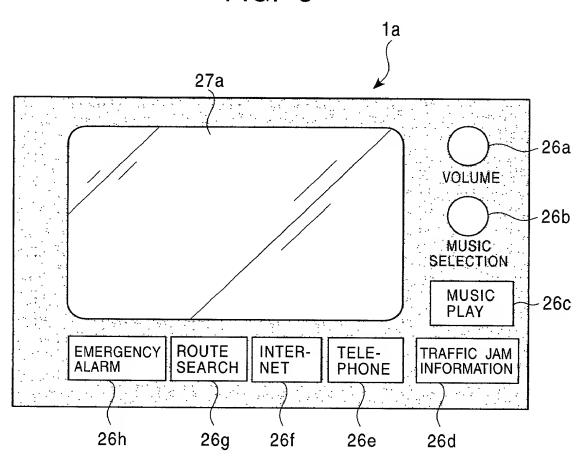
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FIG. 2



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FIG. 3



# FIG. 4A

### MUSIC PLAY

INTERNET RADIO MP3 DATA GROUND WAVE

RETURN

# FIG. 4B

# TRAFFIC JAM INFORMATION

RADIO
INTERNET
VICS
PREDICTION FROM PAST DATA
ATIS
SPEEDWAY PUBLIC CORPORATION GUIDE

RETURN

# FIG. 4C

### **TELEPHONE**

CONTACT ADDRESS LIST

**RETURN** 

### FIG. 4D

### ROUTE SEARCH

DEPARTURE
DESTINATION
DATE AND TIME
LOCATION
CONDITION
PAST RECORD

RETURN

# FIG. 4E

### **EMERGENCY ALARM**

ACCESS POINT
EMERGENCY CENTER
AMBULANCE
POLICE
INSURANCE COMPANY
REPAIR SHOP

RETURN

T.

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# FIG. 5A

# CAR PROFILE DATABASE USER \_\_\_\_\_\_ PASSWORD \_\_\_\_\_\_ LOGIN HELP

FIG. 5B

CAR PROFILE DATABASE

APPLICATION
DATABASE
USER SETTING
UPDATE DATA

### FIG. 5C

### **APPLICATION**

TRAVELING MANAGEMENT
EMERGENCY ALARM
MUSIC DELIVERY
ANTI-THEFT
VEHICLE MANAGEMENT
PUBLIC TELEPHONE
ROUTE SEARCH
MAIL
RETURN

FIG. 5D

### DATA BASE

VEHICLE DATA TRAVELING DATA DRIVER DATA MUSIC DATA ADDRESS BOOK MAP DATA

RETURN

# FIG. 5E

### USER SETTING

SET ACCESS RIGHT ADD NEW USER CHANGE USER DATA SET ACCESS POINT

RETURN

### FIG. 5F

### UPDATE DATA

UNCONDITIONAL UPDATE (DATA MOVE)
CONDITIONAL UPDATE (DESTINATION)
CONDITIONAL UPDATE (COMMUNICATION CONDITION)
ERASE (FORMAT)

RETURN

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FIG. 6A

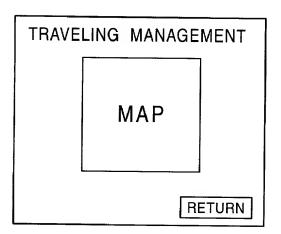


FIG. 6B

EMERGENCY ALARM

SERVICE CENTER

COMMUNICATION

MAIL TRANSMISSION ADDRESS

SENT DATA:
VEHICLE, DRIVER DATA

FIG. 6C

```
MUSIC DELIVERY
INTERNET RADIO
CH URL
1 *********
2 *********
3 *********
4 PROGRAM RESER-
VATION
DATE AND TIME URL
* * * * * * *
RETURN
```

FIG. 6D

ANTI-THEFT
CABIN TROUBLE SENSOR
TRAVELING REGION
USED TIME
DRIVER
CONTACT ADDRESS
SENT DATA:
VEHICLE, CURRENT POSITION,
ROUTE
RETURN

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FIG. 6E

FIG. 6F

VEHICLE MANAGEMENT
GAS SUPPLY
DATE AND TIME, OIL SUPPLY,
LOCATION, FUEL EFFICIENCY
OIL EXCHANGE
PARTS
CHECK (MAINTENANCE INFORMATION)

START ENGINE

START AIR
CONDITIONER

RETURN

ROUTE SEARCH
DEPARTURE
DESTINATION
DATE AND TIME
LOCATION
CONDITION
PAST INFORMATION

SEND RESULT
TO VEHICLE

RETURN

FIG. 6G

MAIL

NAME ADDRESS

\*\*\*\*

\*\*\*\*

\*\*\*\*

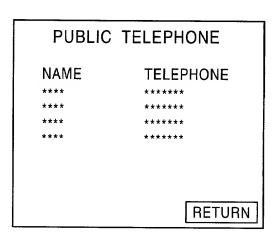
\*\*\*\*

\*\*\*\*

\*\*\*\*

RETURN

FIG. 6H



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# FIG. 7A

### VEHICLE DATA

**BODY NUMBER** COLOR MODEL **OWNER** 

MAINTENANCE INFORMATION

RETURN

# FIG. 7B

### TRAVELING DATA

CURRENT POSITION EAST LONGITUDE \*\*\*\*\*\* NORTH LATITUDE \*\*\*\*\*\*

DATE TIME LOCA- SPEED CONDI-AND TION TION TIME \*\* \*\* \*\* \*\*

**RETURN** 

# FIG. 7C

### DRIVER DATA

NAME BLOOD TYPE

SEX AGE

**HEIGHT** 

WEIGHT

COMMUNICATION

**HEAD** 

**RETURN** 

# FIG. 7D

		MUSIC	DA	TA
	NO.	TITLE	DU	JRATION
	1	*****	***	**
	2	*****	***	**
	3	*****	***	**
	4 5	****	***	*
	5	*****	***	*
	6	*****	***	*
	D	OWNLOAD		
[		UPLOAD		RETURN
l		OI LOAD		

# FIG. 7E

### MAP DATA

**UPDATED** MAP NAME DATE SOUTH KANTO REGION NORTH KANTO REGION \*\*,\*\* TOKYO METOROPOLITAN \*\*,\*\* KAWASAKI CITY \*\*,\*\* SAITAMA PREFECTURE \*\*,\*\* NIIGATA PREFECTURE \*\*,\*\* **RETURN** 

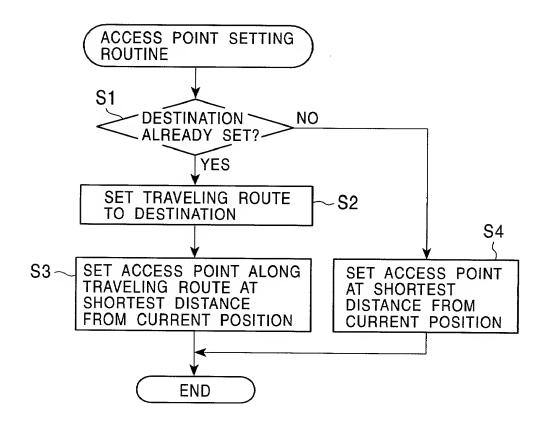
# FIG. 7F

### ADDRESS BOOK

NAME TELEPHONE ADDRESS \*\* \*\* **RETURN** 

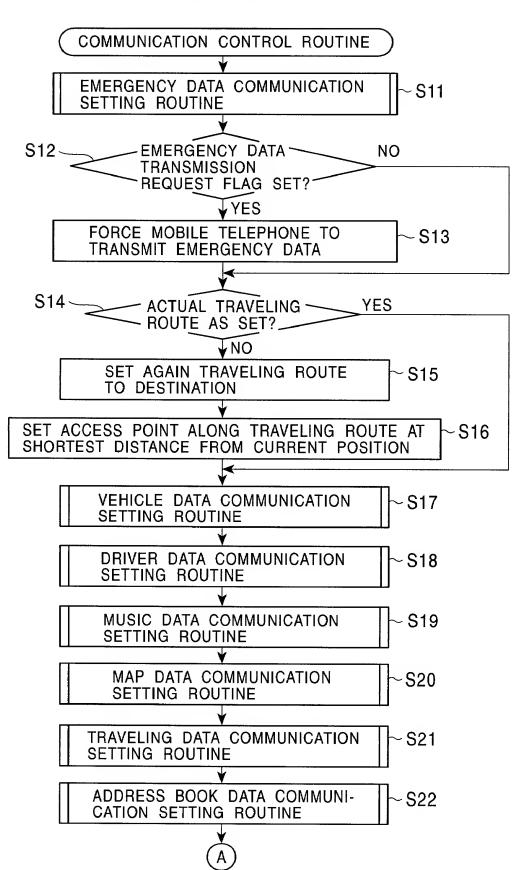
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FIG. 8



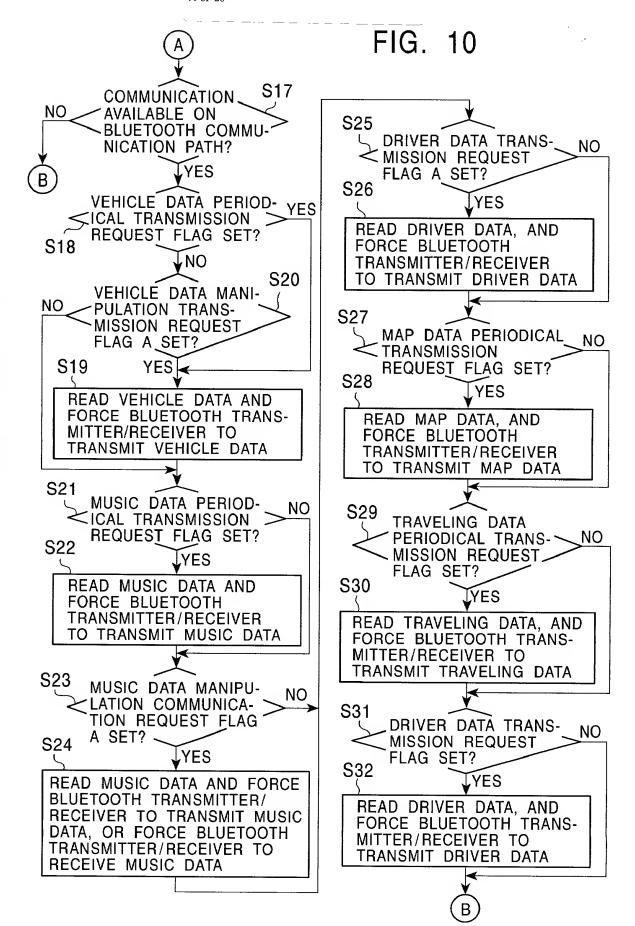
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FIG. 9



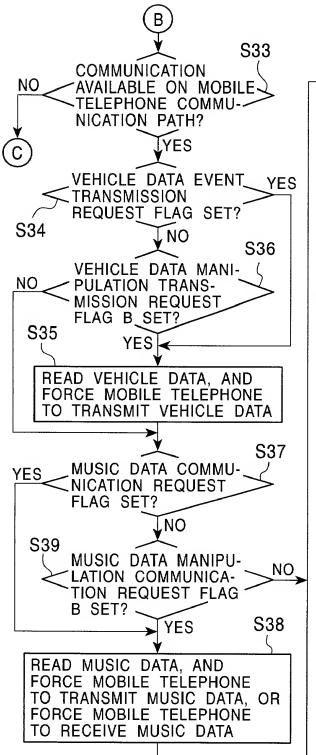
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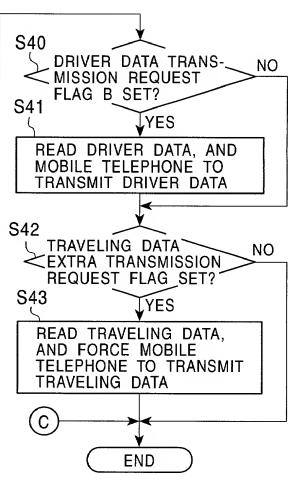
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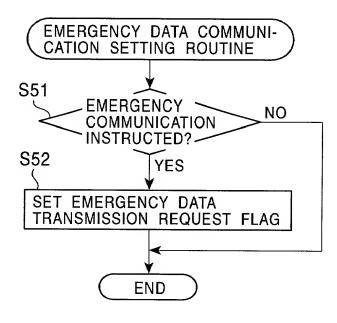
# FIG. 11





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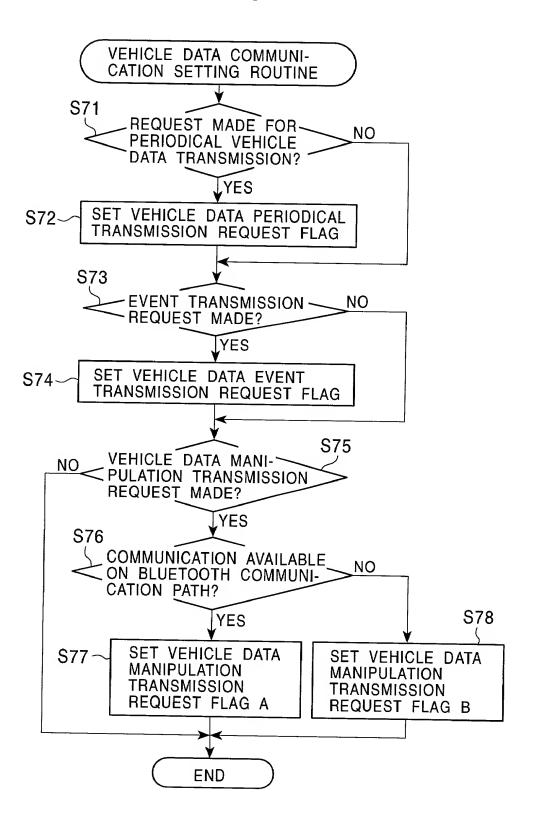
FIG. 12



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FIG. 13



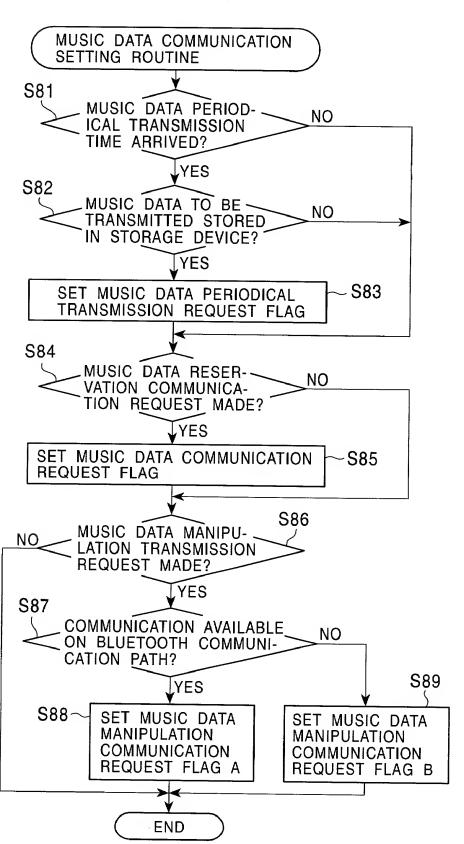
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FIG. 14

TYPE	UPDATE CYCLE	PRECEDING UPDATE DATE AND TIME
VEHICLE DATA	ONE WEEK	XXXX : YY : ZZ 12:10
DRIVER DATA	START OF VEHICLE	XXXX : YY : ZZ 11:03
MUSIC DATA	TWICE A DAY	XXXX : YY : ZZ 12:00
MAP DATA	ONCE A MONTH	XXXX: YY: ZZ 09:45
TRAVELING DATA	EVERY 10 MINUTES	XXXX : YY : ZZ 12:50
ADDRESS BOOK DATA	ONCE A DAY	XXXX : YY : ZZ 10:10
EMERGENCY DATA	OCCURRENCE OF EMERGENCY	XXXX : AY : GH 17:30

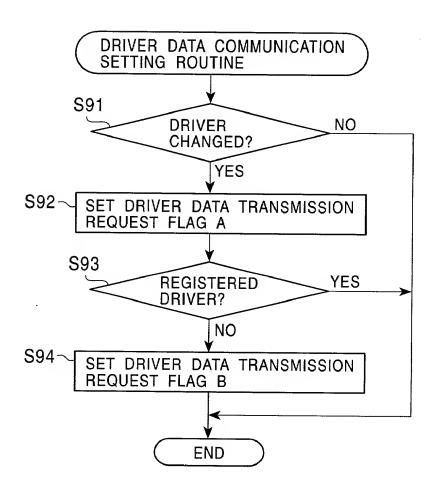
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FIG. 15



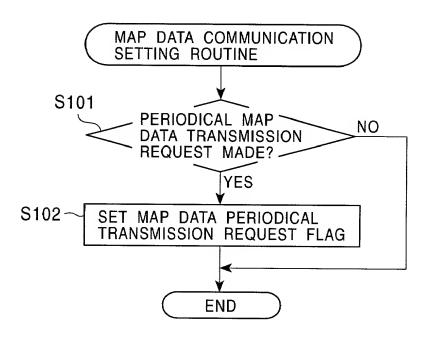
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FIG. 16



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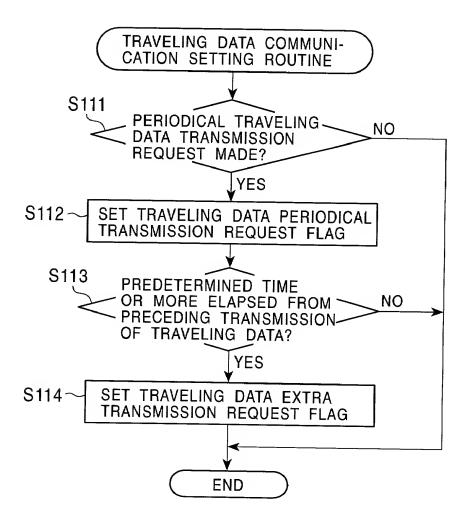
FIG. 17



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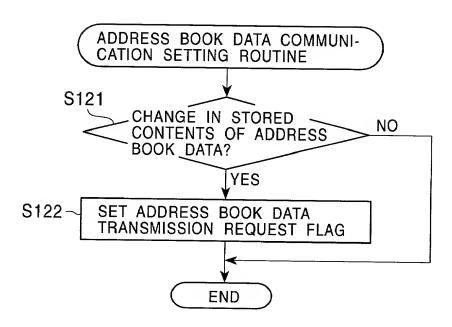
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FIG. 18



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FIG. 19



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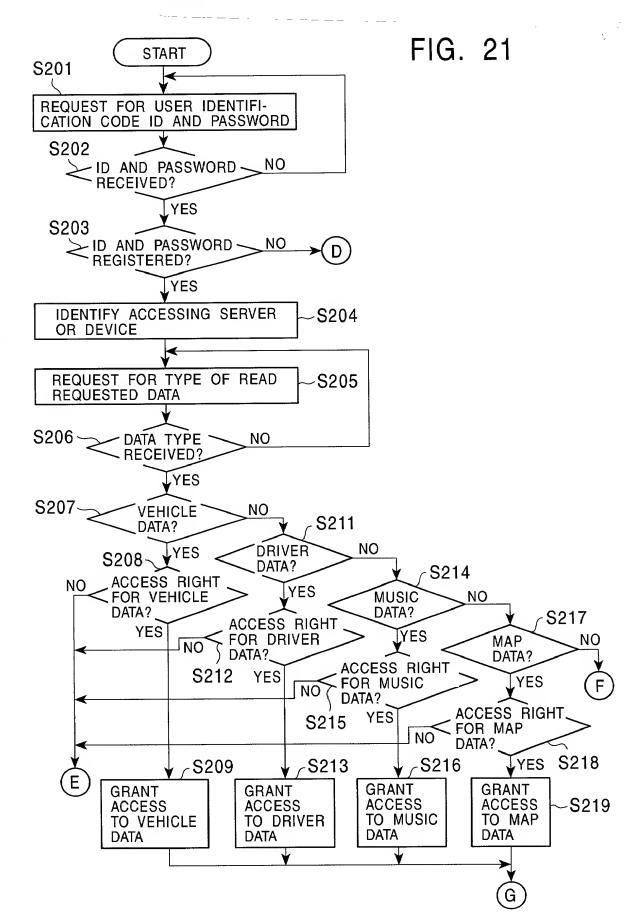
FIG. 20

DEVICE OR SERVER TYPE	VEHICLE MANAGEMENT CENTER DEVICE	TRAVELING MANAGEMENT CENTER DEVICE	HOME SERVER	OFFICE SERVER	MUSIC DELIVERY CENTER DEVICE	EMERGENCY MESSAGE CENTER DEVICE
VEHICLE DATA	0	0	0	0	×	0
DRIVER DATA	0	0	0	0	0	0
MUSIC DATA	×	×	0	0	0	×
MAP DATA	×	0	0	0	×	0
TRAVELING DATA	0	0	0	×	×	0
ADDRESS BOOK DATA	×	×	0	0	×	×
EMERGENCY DATA	×	×	0	×	×	0

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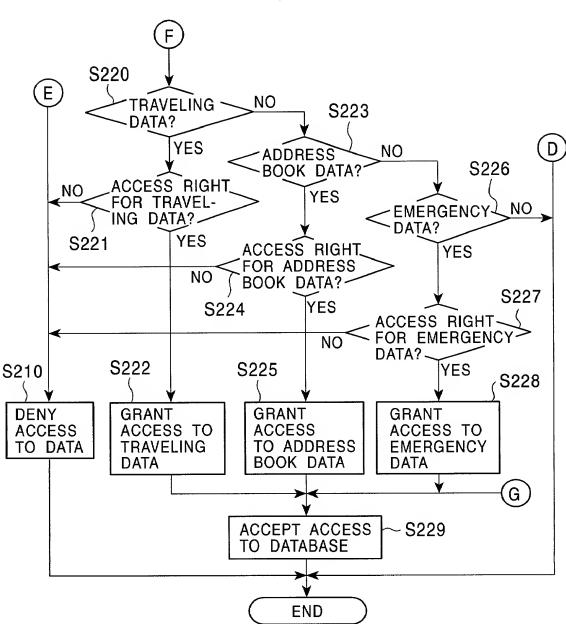
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FIG. 22

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FIG. 23

USER GROUP TYPE	OWNER	FAMILY MEMBER	FRIEND	SECURITY	POLICE	FIRE	REPAIR SHOP
VEHICLE DATA	0	0	0	0	0	0	С
DRIVER DATA	0	0	0	0	×	C	$\times$
MUSIC DATA	0	×	0	×	×	×	$\langle \times \rangle$
MAP DATA	0	0	0	0	C	×	$\langle \times \rangle$
TRAVELING DATA	0	0	×	×	×	X	
ADDRESS BOOK DATA	0	×	×	×	×	×	$\times$
					_		

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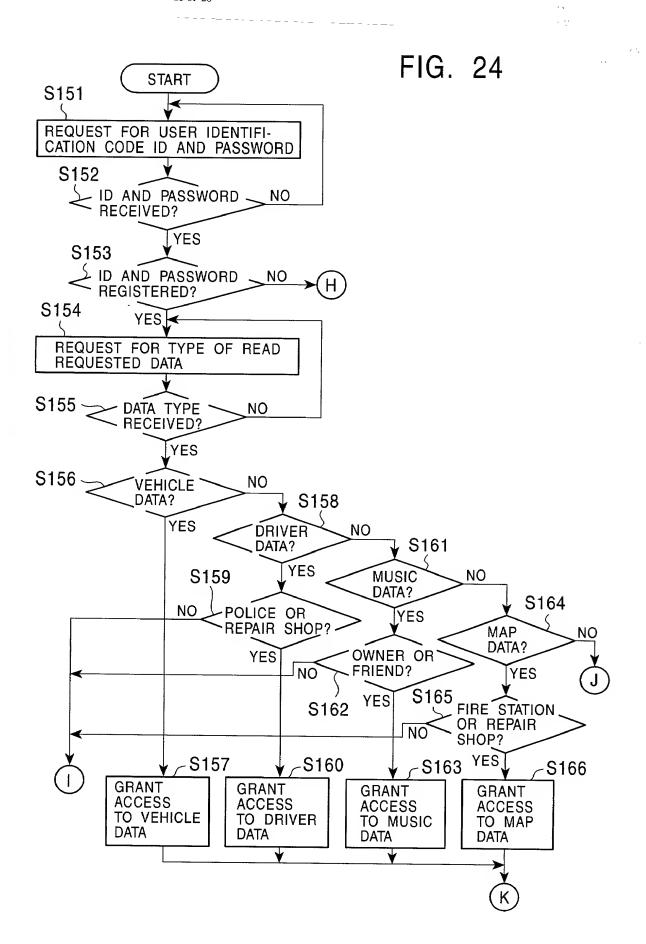


FIG. 25

